







PATENT ABSTRACTS OF JAPAN

(11) Publication number: 10195296 A

(43) Date of publication of application: 28.07.98

(51) Int. CI

C08L 79/08 C08L101/12 G02F 1/1337

(21) Application number: 09345600

(71) Applicant:

SAMSUNG DISPLAY DEVICES CO

(22) Date of filing: 15.12.97

(72) Inventor:

RYU KANSEI

13.12.96 KR 96 9665516

30.12.96 KR 96 9676958

RYU SHOKAN

(54) LIGHT-ORIENTATING COMPOSITION, ORIENTATION FILM COMPRISING THE SAME AND LIQUID CRYSTAL DISPLAY ELEMENT

HAVING THE ORIENTATION FILM

COPYRIGHT: (C)1998,JPO

(57) Abstract:

(30) Priority:

PROBLEM TO BE SOLVED: To obtain the subject composition comprising a cinnamate or coumarin polymer and a specific polyimide, capable of forming orientation films excellent in orientativity, thermal stability and tilted angle characteristics, and useful for liquid crystal display elements.

SOLUTION: The light-orientating composition comprises (A) a cinnamate or coumarin polymer and (B) a polymer comprising (B1) a polyimide having alkyl groups at both the ends or (B2) a polyamide having a structure of the formula {R₁ is a 3-10C cycloalkyl [substituted by a group (G) such as a 1-10C alkyl, an aromatic group or a amino], a (G-substituted) cycloalkenyl, etc.; R2 is R1, a (G-substituted) aromatic ring; X₁ is COO, O, OCO; R₃ is a 3-20C alkyl; (m₁)_≥0; $(n_1)_{\approx}1$; (m_1) : (n_1) is 1:99 to 20:80} in an A:B weight ratio of e.g. 99:1 to 80:20.

